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ABSTRACT

Examples of what it means to apply the standards developed by the National Council of Teachers of Mathematics (NCTM) in actual classrooms are provided, with profiles of 10 teachers who translate the standards into real and workable classroom practices. The following chapters are included: (1) "Introducing the NCTM Reform Documents"; (2) "Exemplary Practice: What Does It Look Like?"; (3) "Ben Preddy: Integrating Mathematics"; (4) "Yvonne Stallings: Investing for a Four-year College Education"; (5) "Cynthia Sutherlin: Mathematical Modeling of Linear Functions in the Sciences"; (6) "Don Crossfield: Marching from Algebra to Trigonometry and Beyond"; (7) "Virginia Highstone: Equations That Model Growth and Decay"; (8) "Henry Kranendonk: Raisin Geometry--Exploring the Balance Point and Its Applications"; (9) "Murray Siegel: Discovering the Central Limit Theorem"; (10) "Claudia Carter: How a Rumor Spreads--An Introduction to Logistic Curves"; (11) "Kathryn Hill: Connecting Informal Proofs to Formal Proofs with a Geoboard"; (12) "Michael Lehman: Group Performance Assessments"; and (13) "Learning Centers of the Twenty-First Century." (Contains 31 figures and 81 references.) (SLD)

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